MATHEMATICS MAGAZINE

Index to Volume 33

September-October, 1959 - May-June, 1960

ARTICLES BY TITLE

A Generalization of the Legendre Transformation -	
R. G. Buschman and N. J. Damaskos	85
A Mathematical Theory of Switching Circuits - William Nemitz and Roy Reeves	1
A Matric General Solution of Linear Difference Equations with Constant	0,
	119
An Iterative Approximation for Finding the N-th Root of a Number -	
H. W. Gould	61
A Note on Mathematical Notation - H. A. Pogorzelski	24
	287
	162
	283
A Note on the Well-Ordering of Sets - E. S. Keeping	43
Applications of Unity Ratios - J. G. Luter	30
A Primitive Geometry - Curtis M. Fulton	27
A Simple Proof of Fermat's Last Theorem for $n = 6$ and $n = 10$	21
	279
Robert Breusch	
	25
Comment on a New Look at an Old Problem by Charles E. Wingo Jr	000
	223
	221
Completion of Seminormed Spaces and the Daniell Process of Extending an	400
	199
	282
	103
Differential Equations Exhibiting Dimensional Homogeneity - M. S. Krick	99
Division of a Power Series by $(1-\alpha X)^n - D$. Mazkewitsch	291
Harmonic Inversion - Sahib Ram Mandan	71
Ideals of Square Summable Power Series - James Rovnyak	265
Invariance of Circle Product - Ali R. Amir-Moéz	35
Learning Theories and The Mathematics Curriculum - Robert E. Horton	79
Note on a Formula of Hermite - L. Carlitz	7
Note on a Paper of Steinberg - H. W. Gould	46
On Infinite Sums of Bessel Functions - Leo Levi	108
On the Origin of Cartesian Symbolism - H. A. Pogorzelski	184
On the Use of the Equivalence Symbol and Parentheses Symbols in Associative	е
Distributive Algebra - H. S. Vandiver	13
On Unequal Partitions of Integers - Iwao Sugai	129
	218
Polynomials and Functions - Louis O. Kattsoff	157
Receding Galaxies - Lindley J. Burton	161
Relaxation Methods - William Squire,	177
Remarks on the Inverse Trigonometric and Hyperbolic Functions of a Complex	
Variable - L. Pennisi and L. Sjoblom	39
Rockers and Rollers - Gerson B. Robison	139
Some Geometric Considerations Related to the Mean Value Theorem -	
	271
Some Integrals for Genocchi Numbers - J. M. Gandhi	21
Some Reflective Geometry of the Triangle - D, Mondy Bailey	241
Sprays and Cauchy's Distribution - C. A. Wilkins	26
Test for the Rank of a Matrix - Louis Brand	271
A DESCRIPTION OF STREETS - LOUIS DIGHT 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

The Existence of Integers Less than p Belonging to $ep^{r-1} \pmod{p^r}$	
John and Margaret Maxfield	219
The New World of Mathematics - James H. Zant	211
The Osculating Parabola to Any Curve - E. F. Canaday	105
The Practical Man and Mathematician: A Moral Essay - Lyle E. Pursell	33
Unique Differential Ratios and Curvilinear Coordinates - H. Randolph Pyle .	193
Use of Matrices in Teaching Conic Sections - A. R. Amir-Moéz	145
coo or manifest in reaching come sections — in in initi-mode	***
ARTICLES BY AUTHORS	
Amir-Moéz, Ali R Curvilinear Projection	103
- Invariance of Circle Product	35
	145
Bailey, D. Moody - Some Reflective Geometry of the Triangle	241
Bergman, George M Comment on A New Look at an Old Problem	221
Brand, Louis - Test for the Rank of a Matrix	277
Breusch, Robert - A Simple Proof of Fermat's Last Theorem for $n = 6$ and	
n = 10	279
Burton, Lindley J Receding Galaxies	161
Buschman, R. G. and N. J. Damaskos - A Generalization of the Legendre	105
Transformation	185
Canaday, E. F The Osculating Parabola to Any Curve	105
Carlitz, L Note on a Formula of Hermite	7
Cheeger, Jeff - Comment on a New Look at an Old Problem by Charles E.	223
Wingo Jr.	283
Christilles, William Edward - A Note on the Factorization of Integers	200
Ferguson, C. E. and Ralph W. Pfouts - A Matric General Solution of Linear	119
Difference Equations with Constant Coefficients	27
Fulton, Curtis M A Primitive Geometry	21
Gandhi, J. M Some Integrals for Genocchi Numbers	40 A
Gould, H. W An Iterative Approximation for Finding the N-th Root of	61
a Number	46
Horton, Robert E Learning Theories and The Mathematics Curriculum	79
Kattsoff, Louis O Polynomials and Functions	157
Keeping, E. S A Note on the Well-Ordering of Sets	43
Krick, M. S Differential Equations Exhibiting Dimensional Homogeneity	99
Lamadrid, Jesús Gil de - Completion of Seminormed Spaces and the Daniell	00
Process of Extending an Integral	199
Lariviere, R Bisectors of Supplementary Angles: A New Look	25
Levi, Leo - On Infinite Sums of Bessel Functions	108
Luter, J. G Applications of Unity Ratios	30
Mandan, Sahib Ram - Harmonic Inversion	71
Matthews, G Confusion Rings	282
Maxfield, John and Margaret - The Existence of Integers Less than p Belonging	
to $ep^{r-1} \pmod{p^r}$	219
Mazkewitsch, D Division of a Power Series by $(1-\alpha X)^n$	291
Nemitz, William, and Roy Reeves - A Mathematical Theory of Switching	
Circuits	1
Osborn, Roger - Some Geometric Considerations Related to the Mean Value	
Theorem	271
Pennisi, L. and L. Sjoblom - Remarks on the Inverse Trigonometric and	-
Hyperbolic Functions of a Complex Variable	39
Pogorzelski, H. A A Note on Mathematical Notation	24
- On the Origin of Cartesian Symbolism	184

Pursell, Lyle E The Practical Man and the Mathematician:	1	A I	Mo	810	d	E	Si	Sa	v	33
Pyle, H. Randolph - Unique Differential Ratios and Curviline										193
Ransom, William R Point to Line Distance										218
Robinson, Gerson B Rockers and Rollers	8									139
Rovnyak, James - Ideals of Square Summable Power Series										265
Squire, William - Relaxation Methods				0		b (177
Subba Rao, Major H. S A Note on Space Curves				9	0	b (162
Sugai, Iwao - On Unequal Partitions of Integers										129
Vandiver, H. S On the Use of the Equivalence Symbol and	e Equivalence Symbol and Parentheses									
Symbols in Associative Distributive Algebra					0					13
Wilkins, C. A Sprays and Cauchy's Distribution										261
Yaqub, Adil - A Note on p-Like Rings										287
Zant, James H The New World of Mathematics					٠					211

PROBLEMS AND QUESTIONS

Contributors

Numbers refer to pages. Bold type indicates a problem solved and solution published; italics, a problem solved but solution not published; ordinary type, a problem proposed.

Andrea, Steve 298 Andrushkiw, Joseph 110, 300 Anning, Norman 59, 112, 174 Appuhn, William, E. F. 58, 296 Bankoff, Leon III, 112, 113, 297 Bergman, George M. 57, 169, 172, 174 Bissinger, Barney 55, 169, 225, 296 Bloom, Melvin 57 Brady, Brian 54 Breualt, D. A. 52, 55, 55, 56, 110, 113, 166, 169, 173, 174, 231, 232, 236, 299, 299, 301, 302 Brooke, Maxey 229, 232, 236 Brown, J. L. Jr. 168 Buschman, R. G. 299, 301 Carlitz, Leonard 166, 169, 169 Carver, Walter B. 165 Cheeger, Jeff 167, 169, 172, 174 Ch'iu, Victor 168, 173, 174 Clawson, J. W. 110, 114, 173 Coffman, Raphael T. 51, 54, 230 Connell, Joan M. 53 Court, Nathan Altshiller 165, 174 Cunkle, Charles H. 233 Demir, Huseyin 51, 54, 55, 56, 110, 112, 112, 113, 114, 165, 173, 225, 228, 231, 232, 233, 233, 236, 236, 296, 297, 298, 302 Dernham, Monte 236, 296 Djokovic, Dragomir 233, 235 Ferguson, James C. 53, 56 Gandhi, J. M. 167

Gehman, Harry M. 113 Gopalan, M. N. 225 Gould, Henry W. 115 Gwilliam, R. 54 Henrich, Christopher 112, 115 Hochster Melvin 109, 167, 169, 172, 173, 174, 174, 296, 298 Howell, J. M. 110, 165, 170 Ivanoff, V. F. 166 James, Glenn D. 169 Karst, Edgar 115 Kilmoyer, Robert 55, 57, 226, 297 Klamkin, M. S. 109, 110, 226, 299 Knighten, Lynn 53 Konhauser, Joseph D. E. 53, 54, 55, 56 Kravitz, Sam 232 Kravitz, Sidney 110, 113, 232, 236, 296, 301, 302 Krick, M. S. 52, 236 Long, Stanley 52 Love, D. M. 58 Love, J. B. 57, 110, 302 Meek, B. L. 231 Mills, C. N. 175 Mills, Philip M. 169 Mitrinovitch, D. S. 51, 226 Morduchow, M. 55 Moser, Leo 51, 165, 233 Moser, W. O. J. 301 Ng, Wahin 236 O'Connor, Catherine A. 54

Pai, B. Keshava R. 52, 236

Parker, F. D. 54, 46, 170, 175
Pascual, Michael J. 298, 302
Pinzka, D. F. 296
Poorbough, S. W. 54
Reed, John 297
Said, Abdel S. 54, 55
Sanders, William M. 167, 175
Schwartz, Benjamin L. 226, 300
Shafer, Robert E. 54, 55, 56
Sidlo, Clarence M. 52, 175, 236
Silverman, David L. 51, 53, 232
Sims, W. 54
Smith, A. 54
Squire, William 299, 302
Stygar, Paul 169

Synnerdahl, Joseph M. 53
Talbot, Walter R. 54, 55, 56
Teachout, William B. Jr. 169
Thebault, Victor 115, 295
Thomas, Geo. B. Jr. 169
Thomas, P. D. 53, 53, 55
Trigg, C. W. 53, 109, 118, 166, 225, 295, 297
Tyrrell, J. A. 231
Wang, Chih-yi 109, 113, 165, 169, 172, 175, 298, 299, 299
Wilder, Ron 175
Woods, Dale 53, 55, 55, 56, 113, 175, 232, 297, 298, 301
Woolery, Robert 52

Solutions

The page on which a solution appears is in the parentheses following the number of the problem.

362 (52), 363 (53), 364 (55), 365 (55), 366 (56), 367 (57), 369 (110), (226), 371 (110), 372 (112), 373 (113), 374 (114), 375 (115), 376 (166), 377 (166), 378 (167), 379 (169), 380 (172), 381 (173), 382 (174), (297), 383 (228), 384 (231), 385 (231), 386 (232), 387 (233), 388 (235), 389 (236), 390 (297), 391 (298), 392 (298), 393 (299), 394 (300), 395 (301), 396 (301)

Quickies

253, 254, 255, 256, 257, (58) 258, 259, 260, 261, 262, (118) 263, 264, 265, (175) 266, 267, (302)

Trickies

34, 35, (176) 36, 37, 38, (237)

Falsies

16, (237) 17, (238)

